

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

## Freeform Search

---

<b>Database:</b>	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

  

<b>Term:</b>	<input type="text"/>
--------------	----------------------

  

<b>Display:</b>	<input type="text" value="10"/> Documents in Display Format: <input type="text" value="-"/>	Starting with Number <input type="text" value="1"/>
-----------------	---	---

  

<b>Generate:</b>	<input type="radio"/> Hit List	<input checked="" type="radio"/> Hit Count	<input type="radio"/> Side by Side	<input type="radio"/> Image
------------------	--------------------------------	--	------------------------------------	-----------------------------

---

Search

Clear

Interrupt

---

### Search History

---

DATE: Saturday, August 28, 2004   [Printable Copy](#)   [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
	<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>		
<u>L18</u>	113 same register\$6	12	<u>L18</u>
<u>L17</u>	113 and interface near5 data network	1	<u>L17</u>
<u>L16</u>	113 same interface near5 data network	0	<u>L16</u>
<u>L15</u>	L14 same register\$6	0	<u>L15</u>
<u>L14</u>	proximity near3 (receiver or device) same detect\$4 same (signal or announcement )same portable adj3 device	18	<u>L14</u>
<u>L13</u>	proximity near3 (receiver or device) same detect\$4 same (signal or announcement )same device	807	<u>L13</u>
<u>L12</u>	L6 and conver\$6 near5 audio near5 digital	2	<u>L12</u>
<u>L11</u>	L6 same conver\$6 near5 audio near5 digital	1	<u>L11</u>
<u>L10</u>	L6 and voice-over-data	0	<u>L10</u>
<u>L9</u>	L6 same voice-over-data	0	<u>L9</u>
<u>L8</u>	L6 same register\$4	9	<u>L8</u>
<u>L7</u>	L6 same register\$4 module	0	<u>L7</u>
	receiver same detect\$4 near5 (announcement or sigal or activation or		

<u>L6</u>	message ) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	194	<u>L6</u>
<u>L5</u>	receiver same detect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	196	<u>L5</u>
<u>L4</u>	proximity same receiver same detect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	10	<u>L4</u>
<u>L3</u>	proximity same receiver samedetect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	0	<u>L3</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L2</u>	proximity near5 receiver samedetect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	0	<u>L2</u>
<u>L1</u>	proximity near5 receiver near5 detect\$4 near5 (announcement or sigal or activation o) near5 (portable or device or mobile or cell phone or pda)	0	<u>L1</u>

END OF SEARCH HISTORY

## WEST Search History





DATE: Saturday, August 28, 2004

Hide?	Set Name	Query	Hit Count
	<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L18	l13 same register\$6	12
<input type="checkbox"/>	L17	l13 and interface near5 data network	1
<input type="checkbox"/>	L16	l13 same interface near5 data network	0
<input type="checkbox"/>	L15	L14 same register\$6	0
<input type="checkbox"/>	L14	proximity near3 (receiver or device) same detect\$4 same (signal or announcement )same portable adj3 device	18
<input type="checkbox"/>	L13	proximity near3 (receiver or device) same detect\$4 same (signal or announcement )same device	807
<input type="checkbox"/>	L12	L6 and conver\$6 near5 audio near5 digital	2
<input type="checkbox"/>	L11	L6 same conver\$6 near5 audio near5 digital	1
<input type="checkbox"/>	L10	L6 and voice-over-data	0
<input type="checkbox"/>	L9	L6 same voice-over-data	0
<input type="checkbox"/>	L8	L6 same register\$4	9
<input type="checkbox"/>	L7	L6 same register\$4 module	0
<input type="checkbox"/>	L6	receiver same detect\$4 near5 (announcement or sigal or activation or message ) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	194
<input type="checkbox"/>	L5	receiver same detect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	196
<input type="checkbox"/>	L4	proximity same receiver same detect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	10
<input type="checkbox"/>	L3	proximity same receiver samedetect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	0
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L2	proximity near5 receiver samedetect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	0
<input type="checkbox"/>	L1	proximity near5 receiver near5 detect\$4 near5 (announcement or sigal or activation o) near5 (portable or device or mobile or cell phone or pda)	0

END OF SEARCH HISTORY

## Freeform Search

---

<b>Database:</b>	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

  

<b>Term:</b>	<input type="text"/>
--------------	----------------------

  

<b>Display:</b>	<input type="text" value="10"/> Documents in <b>Display Format:</b> <input type="text" value="-"/>	<b>Starting with Number</b> <input type="text" value="1"/>
-----------------	--	--

  

**Generate:** ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

---

<input type="button" value="Search"/>	<input type="button" value="Clear"/>	<input type="button" value="Interrupt"/>
---------------------------------------	--------------------------------------	--

---

### Search History

---

**DATE:** Saturday, August 28, 2004    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
	DB=PGPB,USPT; PLUR=YES; OP=ADJ		
<u>L27</u>	709/220.ccls.	1402	<u>L27</u>
<u>L26</u>	455/456.2.ccls.	230	<u>L26</u>
<u>L25</u>	370/352.ccls.	2650	<u>L25</u>
<u>L24</u>	370/467.ccls.	334	<u>L24</u>
<u>L23</u>	L22 and l6	0	<u>L23</u>
<u>L22</u>	709/227.ccls.	2136	<u>L22</u>
<u>L21</u>	6446127[uref]	9	<u>L21</u>
<u>L20</u>	(4953198  5497339  5557658  5606594  5742905  5838665  5850433  5894595  5915008  5933778)! [pn]	10	<u>L20</u>
<u>L19</u>	6446127.pn.	1	<u>L19</u>
<u>L18</u>	l13 same register\$6	12	<u>L18</u>
<u>L17</u>	l13 and interface near5 data network	1	<u>L17</u>
<u>L16</u>	l13 same interface near5 data network	0	<u>L16</u>
<u>L15</u>	L14 same register\$6	0	<u>L15</u>

<u>L14</u>	proximity near3 (receiver or device) same detect\$4 same (signal or announcement )same portable adj3 device	18	<u>L14</u>
<u>L13</u>	proximity near3 (receiver or device) same detect\$4 same (signal or announcement )same device	807	<u>L13</u>
<u>L12</u>	L6 and conver\$6 near5 audio near5 digital	2	<u>L12</u>
<u>L11</u>	L6 same conver\$6 near5 audio near5 digital	1	<u>L11</u>
<u>L10</u>	L6 and voice-over-data	0	<u>L10</u>
<u>L9</u>	L6 same voice-over-data	0	<u>L9</u>
<u>L8</u>	L6 same register\$4	9	<u>L8</u>
<u>L7</u>	L6 same register\$4 module	0	<u>L7</u>
<u>L6</u>	receiver same detect\$4 near5 (announcement or sigal or activation or message ) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	194	<u>L6</u>
<u>L5</u>	receiver same detect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	196	<u>L5</u>
<u>L4</u>	proximity same receiver same detect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	10	<u>L4</u>
<u>L3</u>	proximity same receiver samedetect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	0	<u>L3</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L2</u>	proximity near5 receiver samedetect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	0	<u>L2</u>
<u>L1</u>	proximity near5 receiver near5 detect\$4 near5 (announcement or sigal or activation o) near5 (portable or device or mobile or cell phone or pda)	0	<u>L1</u>

END OF SEARCH HISTORY

## WEST Search History





DATE: Saturday, August 28, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L27	709/220.ccls.	1402
<input type="checkbox"/>	L26	455/456.2.ccls.	230
<input type="checkbox"/>	L25	370/352.ccls.	2650
<input type="checkbox"/>	L24	370/467.ccls.	334
<input type="checkbox"/>	L23	L22 and l6	0
<input type="checkbox"/>	L22	709/227.ccls.	2136
<input type="checkbox"/>	L21	6446127[uref]	9
<input type="checkbox"/>	L20	(4953198  5497339  5557658  5606594  5742905  5838665  5850433  5894595  5915008  5933778)! [pn]	10
<input type="checkbox"/>	L19	6446127.pn.	1
<input type="checkbox"/>	L18	l13 same register\$6	12
<input type="checkbox"/>	L17	l13 and interface near5 data network	1
<input type="checkbox"/>	L16	l13 same interface near5 data network	0
<input type="checkbox"/>	L15	L14 same register\$6	0
<input type="checkbox"/>	L14	proximity near3 (receiver or device) same detect\$4 same (signal or announcement )same portable adj3 device	18
<input type="checkbox"/>	L13	proximity near3 (receiver or device) same detect\$4 same (signal or announcement )same device	807
<input type="checkbox"/>	L12	L6 and conver\$6 near5 audio near5 digital	2
<input type="checkbox"/>	L11	L6 same conver\$6 near5 audio near5 digital	1
<input type="checkbox"/>	L10	L6 and voice-over-data	0
<input type="checkbox"/>	L9	L6 same voice-over-data	0
<input type="checkbox"/>	L8	L6 same register\$4	9
<input type="checkbox"/>	L7	L6 same register\$4 module	0
<input type="checkbox"/>	L6	receiver same detect\$4 near5 (announcement or sigal or activation or message ) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	194
<input type="checkbox"/>	L5	receiver same detect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	196
<input type="checkbox"/>	L4	proximity same receiver same detect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda)	10

- ☐ L3 proximity same receiver samedetect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda) 0

*DB=USPT; PLUR=YES; OP=ADJ*

- ☐ L2 proximity near5 receiver samedetect\$4 near5 (announcement or sigal or activation or message or registration request) same transmit\$4 near5 (portable or device or mobile or cell phone or pda) 0

- ☐ L1 proximity near5 receiver near5 detect\$4 near5 (announcement or sigal or activation o) near5 (portable or device or mobile or cell phone or pda) 0

END OF SEARCH HISTORY